

Title (en)

A VALVELESS GAS CHROMATOGRAPHIC SYSTEM WITH PULSED INJECTION AND TEMPERATURE PROGRAMMED ELUTION

Title (de)

VENTILLOSES GASCHROMATOGRAPHIESYSTEM MIT GEPULSTER PROBENAUFGABE UND TEMPERATURPROGRAMMIERTER ELUTION

Title (fr)

SYSTEME DE CHROMATOGRAPHIE A GAZ SANS CLAPET A INJECTION PULSEE ET A ELUTION A TEMPERATURE PROGRAMMEE

Publication

**EP 1062504 A4 20010214 (EN)**

Application

**EP 99906839 A 19990210**

Priority

- US 9902777 W 19990210
- US 7419598 P 19980210

Abstract (en)

[origin: WO9940422A1] A portable gas chromatograph includes a sample adsorbing ribbon (220) having a sampling position (205) and second desorbing position (206). The sample is desorbed by activating heaters (210, 211). The desorbed sample passes to a chromatography column (209b) which is then heated by a third heater (212). The separated sample is passed to a detector (213) for analysis.

IPC 1-7

**G01N 30/02**; **G01N 30/16**; **G01N 30/60**; **G01N 30/62**; **G01N 30/88**

IPC 8 full level

**G01N 30/04** (2006.01); **G01N 30/16** (2006.01); **G01N 30/60** (2006.01); **G01N 30/88** (2006.01); **G01N 1/00** (2006.01); **G01N 15/06** (2006.01); **G01N 30/12** (2006.01); **G01N 30/30** (2006.01); **G01N 30/62** (2006.01)

CPC (source: EP)

**G01N 30/16** (2013.01); **G01N 1/22** (2013.01); **G01N 15/0643** (2013.01); **G01N 2030/3061** (2013.01); **G01N 2030/623** (2013.01)

Citation (search report)

- [A] US 5588988 A 19961231 - GERSTEL EBERHARD [DE], et al
- [A] WO 9600388 A2 19960104 - UNIV MONTREAL [CA], et al
- [A] US 3768300 A 19731030 - NEMETH R
- [A] US 4551848 A 19851105 - GREENWOOD-SMITH ROBIN [AU]
- See references of WO 9940422A1

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)

**WO 9940422 A1 19990812**; AU 2665999 A 19990823; CA 2320445 A1 19990812; CN 1296565 A 20010523; EP 1062504 A1 20001227; EP 1062504 A4 20010214; JP 2002502970 A 20020129

DOCDB simple family (application)

**US 9902777 W 19990210**; AU 2665999 A 19990210; CA 2320445 A 19990210; CN 99804928 A 19990210; EP 99906839 A 19990210; JP 2000530785 A 19990210